Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Manual	Date:	06/12/2017 12:11 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	Cytometer Baseline:	04/21/2017 12:22 PM
		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124982	-1	2.60	124880	2.53
Blue	F	SSC	125000	124494	-1	3.70	124678	3.45
Blue	E	FITC	23355	22764	-3	2.55	1021	9.99
Blue	D	PE	28848	28218	-3	2.11	1018	9.82
Blue	B	PerCP-Cy5-5	47791	46867	-2	3.55	1348	17.02
Blue	A	PE-Cy7	41358	40803	-2	5.21	633	34.67
Red	C	APC	51316	51027	-1	2.80	2934	9.14
Red	A	APC-Cy7	53225	52214	-2	2.75	1088	10.89
Violet	B	V450	14473	13798	-5	3.58	663	9.12
Violet	A	V500	59973	58820	-2	3.37	2629	6.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16438	7.64	604	6	N/A	N/A	Pass
Blue	F	SSC	61521	1.62	540	6	N/A	N/A	Pass
Blue	E	FITC	115	39.20	541	-3	0.0224	250	Pass
Blue	D	PE	223	28.07	536	-2	0.1524	192	Pass
Blue	B	PerCP-Cy5-5	209	45.04	626	-4	0.0099	79	Pass
Blue	A	PE-Cy7	71	115.31	676	-5	0.0125	18	Pass
Red	C	APC	345	26.87	590	-4	0.0223	99	Pass
Red	A	APC-Cy7	119	40.30	567	-9	0.0060	1962	Pass
Violet	B	V450	81	40.70	475	4	0.0389	1396	Pass
Violet	A	V500	191	21.71	508	7	0.0139	137	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.16	-31.68	0.80
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.78	13.27 - 19.91	N/A	N/A	31.55	32.13	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9784

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments